

Converting Colors

$Yxy(69.9732, 0.2551, 0.2980)$

Have a look what the booklet for
Yxy(69.9732, 0.2551, 0.2980)
contains.

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Color

Yxy(69.9759, 0.2551, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	9EE4FF
RGB	158, 228, 255
RGB Percent	62%, 89%, 100%
CMY	0.3801, 0.1059, 0.0001
CMYK	0.38, 0.11, 0.00, 0.00
HSL	197°, 100%, 81%
HSV	197°, 38%, 100%
XYZ	59.9022, 69.9759, 104.9404
YIQ	210.1480, -50.3870, -6.4430

Conversions

Conversions Part 2

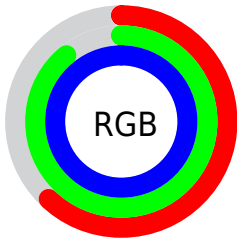
Format	Color
R_{YB}	158, 199, 255
Decimal	10413311
CIE _{Lab}	86.99, -15.22, -20.00
CIE _{LCh}	87, 25.127, 232.730
Yxy	69.9759, 0.2551, 0.2980
Android (android.graphics.Color)	4288603391 (0xFF9EE4FF)
YUV	210.1480, 22.1120, -45.7338
Hunter-Lab	83.6516, -18.5680, -15.8228

Details

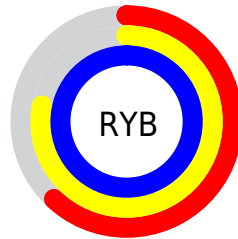
The Yxy color **69.9759, 0.2551, 0.2980** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.4538, 0.3962, 0.3576**, and the grayscale version is **64.4391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **36.7891, 0.2424, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **63.8267, 0.2416, 0.2883**, and if you desaturate by 10%, it is **76.8276, 0.2696, 0.3071**.

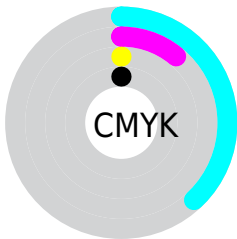
Distribution



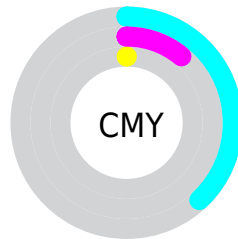
- Red (62%)
- Green (89%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9759, 0.2551, 0.2980 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 69.9759, 0.2551, 0.2980 by changing the saturation by 10% instead.

 69.9759, 0.2551,
0.2980

 69.9759, 0.2551,
0.2980


460.4654, 0.2813,
0.3128

 51.5069, 0.2492,
0.2945

 119.1744, 0.2641,
0.3032

 36.6122, 0.2421,
0.2902

 150.6726, 0.2676,
0.3052

 24.9074, 0.2331,
0.2846


187.2828, 0.2707,
0.3070

 16.0080, 0.2216,
0.2772

229.3892, 0.2734,
0.3085

 9.5298, 0.2064,
0.2671

277.3763, 0.2757,
0.3098

 5.0884, 0.1854,
0.2523

331.6284, 0.2778,

 2.2992, 0.1550,

0.3109

0.2291

392.5300, 0.2797,
0.3119

0.7733, 0.0904,
0.1923

0.0000, 0.0000,
0.0000

69.9759, 0.2551,
0.2980

69.9759, 0.2551,
0.2980

63.8267, 0.2416,
0.2883

76.8276, 0.2696,
0.3071

58.3364, 0.2294,
0.2781

84.4059, 0.2848,
0.3156

53.4687, 0.2189,
0.2676

92.7437, 0.3003,
0.3233

49.1793, 0.2103,
0.2570

99.9988, 0.3127,
0.3290

■ 45.4163, 0.2037,
0.2464

■ 42.1102, 0.1991,
0.2359

■ 41.4856, 0.1983,
0.2338

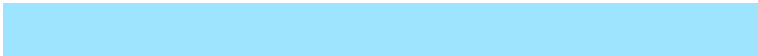
Harmonies

Analogous

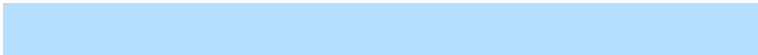
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9759, 0.2622, 0.3240



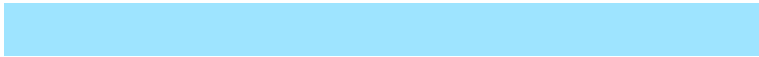
69.9759, 0.2551, 0.2980



69.9759, 0.2624, 0.2821

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9759, 0.2551, 0.2980



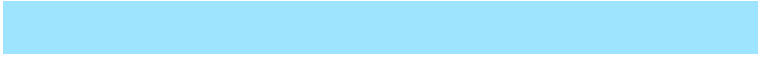
69.9759, 0.3426, 0.3060



69.9759, 0.3414, 0.3839

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.9759, 0.2551, 0.2980



58.4538, 0.3962, 0.3576

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.9759, 0.3647, 0.3756



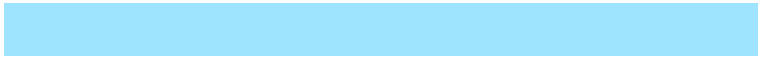
69.9759, 0.2551, 0.2980



69.9759, 0.3658, 0.3304

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9759, 0.2551, 0.2980



69.9759, 0.3119, 0.2875



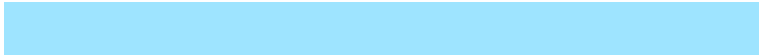
69.9759, 0.3739, 0.3556



69.9759, 0.3112, 0.3759

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9759, 0.2551, 0.2980



69.9759, 0.2747, 0.2785



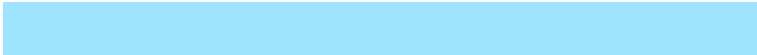
69.9759, 0.3739, 0.3556



69.9759, 0.3503, 0.3828

Sweetspot

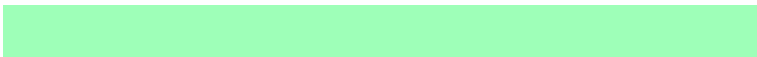
The Sweet Spot groups the original color and five complimentary colors.



69.9786, 0.2551, 0.2980



90.1792, 0.2956, 0.3211



82.2425, 0.2943, 0.4136



19.0571, 0.2935, 0.3201



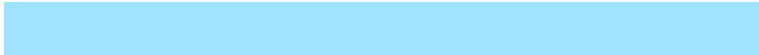
0.0000, 0.0000, 0.0000



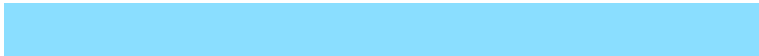
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9786, 0.2551, 0.2980



65.0160, 0.2442, 0.2903



47.4173, 0.2465, 0.2404



19.5758, 0.2980, 0.3222



21.9451, 0.1988, 0.2356



2.3209, 0.2021, 0.2475

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.3380, 0.3398, 0.2586



44.6427, 0.3475, 0.2443



81.6500, 0.3778, 0.4039



18.2090, 0.3181, 0.3120



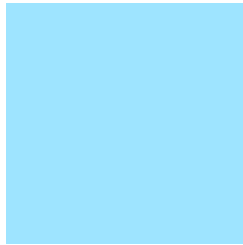
12.9433, 0.4068, 0.2015



1.2788, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 69.9759, 0.2551, 0.2980 looks on a white background.

Color Contrast Check

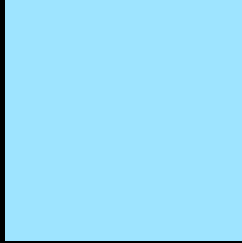
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 69.9759, 0.2551, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

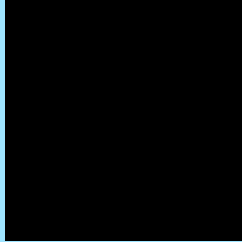
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9759, 0.2551, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 69.9759, 0.2551, 0.2980.

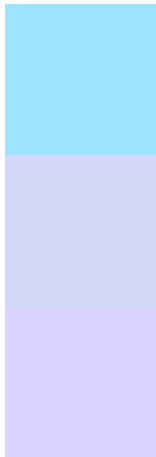


This preview shows how white text looks on a background with the Yxy color 69.9759, 0.2551, 0.2980.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

69.9759, 0.2551, 0.2980

Protanopia

69.3133, 0.2900, 0.2945

Deuteranopia

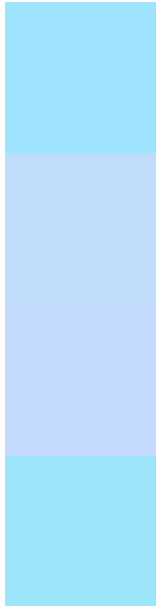
69.2124, 0.2890, 0.2837



Tritanopia

69.8839, 0.2576, 0.3068

Trichromacy



Original Color

69.9759, 0.2551, 0.2980

Protanomaly

69.2950, 0.2757, 0.2958

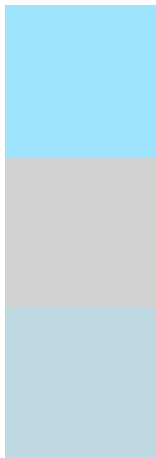
Deuteranomaly

69.0986, 0.2751, 0.2886

Tritanomaly

70.1718, 0.2567, 0.3035

Monochromacy



Original Color

69.9759, 0.2551, 0.2980

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.1931, 0.2889, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9759, 0.2551, 0.2980 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(158, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 228, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(158, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.9759, 0.2551, 0.2980 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 228, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(158, 228, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(158, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9759, 0.2551, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 228, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(158,  
228, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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